Physician Assistant Studies (M.P.A.S.)

Interim Academic Unit Head
Dr. Herbert Amato

Graduate Program Director
Mr. Gerald Weniger

Phone: (540) 568-2395
Website: http://www.healthsci.jmu.edu/PA
Email: paprogram@jmu.edu

Associate Professor
S. Maiiewski

Assistant Professors
E. Kancler, K. Liskey, A. Skelly

Admission Requirements

For consideration of admission to the physician assistant program, candidates must successfully complete the requirements of The Graduate School and of the PA program.

- A bachelor or higher degree from a regionally accredited college or university.
- Overall grade point average (GPA) of 3.0 or higher is preferred.
- Satisfactory test scores from the Graduate Record Examination (GRE). (The code is 5392)
- Official transcripts from all colleges or universities attended.

Prerequisites

These program prerequisites must be accomplished prior to beginning the PA curriculum in August, but are not required prior to applying for admission to the program. Applications for admission are due by August 1. There are two separate applications for the admission process: one to the JMU graduate school and one to the PA program through CASPA. Candidates must complete both applications to be considered.

All prerequisite course work must have been completed within the past seven years:
• Successfully complete the following prerequisite courses work at the "B", 3.0 level or better:
  • Human or mammalian physiology – a one semester course
  • Human or mammalian anatomy – a one semester course
  • Anatomy must include laboratory work either as a component of the anatomy course or as a separate laboratory course.
• Successfully complete the following prerequisite course work at the "C", 2.0 level or better:
  • Biochemistry – a one semester course (Organic chemistry and courses combining general or organic chemistry with biochemistry in a single course do not meet this requirement.)
  • Genetics – a one semester course
  • Microbiology – a one semester course.
• Successfully complete the following prerequisite course within any number of years:
  • Medical Terminology

Completion of course work within the last seven years assures some degree of current information in these fields. By their very nature, some working positions require people to maintain an adequate degree of current information in these basic sciences. Candidates employed in such positions should apply and include an explanation to assure the admissions committee how they have maintained a degree of current information in these fields. The committee will decide whether or not to accept the explanation as sufficient to meet the prerequisites.

A minimum of 1,000 hours of direct patient contact health care experience is required. These hours may come from one experience or a combination of experiences and may be voluntary or paid work. Experiences having higher levels of training and responsibility are more desirable. Examples of health care professions that require direct patient contact include nurse, EMT or paramedic, corpsman, patient care technician, nurse's aide, surgical assistant, clinic/medical assistant, respiratory technologist, radiology technologist, medical technologist, mental health worker, and clinical research assistant. Other professions and experiences not listed may also qualify as direct patient care.

Healthcare related professions that generally do not include hands-on patient contact include transporter, CPR or ACLS instructor, lifeguard, non-clinical research assistant, candy striped, unit clerk, and others. Although desirable for other reasons, PA shadowing and student/intern experience does not count toward the required 1,000 hours of patient care experience. Please contact us if you have any questions regarding your healthcare experience.

Many communications between students and the program are carried out through email. Course assignments and testing are frequently done via computer systems. Students are expected to possess basic computer skills – word processing, emailing, utilizing the internet. Students will need the computer hardware to access the internet and email during the clinical year. During the classroom component of the program they may use either their own computer or a university computer laboratory.

Candidates may meet the anatomy and physiology prerequisites by taking a semester course in each topic or by taking the entire sequence of combined anatomy &
physiology courses at a single college. The combined courses must cover all of the body systems and regions and must include a laboratory component in anatomy.

*Candidates whose prior education is through international schools, please consult the "International Student Applications" section of the Graduate Catalog for additional features of the application process.

Application Deadlines

One cohort of 30 students is admitted each year. Classes begin in the fall semester. For deadlines for application to The Graduate School, see Admission to The Graduate School. The deadline for application to the physician assistant program through CASPA is August 1.

Application Evaluation Criteria

Candidates are evaluated through review of their written application. Superior candidates are invited to on-campus interviews. The following characteristics, skills and accomplishments are assessed.

• Academic Preparation
  Academic preparation is evaluated in terms of overall grade point average (GPA), science GPA, recent course work and performance in the prerequisite courses. Prior academic work is also evaluated for the candidate’s ability to successfully carry a full-time, science-based academic workload. Patterns of repeating and withdrawing from courses as well as consistency in achievement are considered.

• Communication Skills
  A high degree of proficiency in speaking, reading and writing in English is required. Proficiency in additional languages, though not required, is favorably considered.

• Professionalism
  Candidates must demonstrate professional characteristics such as judgment, motivation, ethical behavior, maturity of insight, problem solving, self-awareness, self-confidence and team skills essential to PA practice and a realistic understanding and approach to the rigors of the PA curriculum.

• Health Care Experience
  Direct patient-contact healthcare experience is evaluated in terms of both quantity and quality. The total amount of experience, the level of responsibility held by the candidate and how it may relate to work as a future PA are all considered.

• Fit with the Program Mission & Goals – Serving Society
  Evaluation includes determining that the candidate’s concepts of the PA profession are realistic and contribute to the program meeting its mission and goals. In keeping with the program mission, candidates are evaluated for potential to serve in a wide variety of medical settings. Factors considered include the settings of prior healthcare and professional accomplishments, experience in urban, rural and other underserved areas, or in working with vulnerable populations.

• Waitlist Review
  Once all applicant interviews are complete, the admissions committee will review the applicants who had been previously placed on the waitlist. When all of the above five selection factors are equal, the admissions committee may then choose
to admit these final few waitlist applicants so as to maintain an approximate ratio of 2/3 Virginia residents and 1/3 out-of-state residents.

Mission

The Master of Physician Assistant Studies program prepares students for clinical positions as primary care physician assistants. The course of study requires 28 consecutive months of work for students who have met the prerequisite requirements and been admitted to the program. Admission is limited and competitive. Students must be admitted to The Graduate School and to the PA master's degree program via separate application processes.

Physician assistants are highly skilled medical professionals who have for over 45 years functioned as members of a team delivering quality healthcare. Working with physicians, PAs provide medical services traditionally performed by physicians. These services include taking medical histories, performing physical examinations, ordering and interpreting tests, diagnosing and treating medical conditions, educating and counseling patients, performing minor medical/surgical procedures, and, in most states, prescribing medications. The PA's duties are determined by physician supervision as defined by law.

PAs practice in the same settings as physicians, i.e., outpatient facilities, private and public clinics, managed care and other systems, and in rural and urban areas. The focus of the JMU program is primary care medicine.

Accreditation

The PA program is accredited by the Accreditation Review Commission on Education for the Physician Assistant, Inc. Accreditation provides graduates eligibility to take the Physician Assistant National Certifying Examination (PANCE). Successful completion of the PANCE is required for graduates to be licensed to practice.

Program Policies

Academic standards: The PA Program defines satisfactory academic progress as achieving at least a "B," or 3.0, grade in each course. The PA Academic Review Committee reviews all performance that falls below this standard. In accord with each circumstance, the committee recommends a course of action to the department head. Students do not progress to clinical rotations until the committee is satisfied that they have achieved minimal mastery of the didactic course work of the first year. The policies of The Graduate School regarding unsatisfactory progress also apply.

Advanced standing: Students are required to take all the courses in the curriculum at JMU. No advanced standing is given for experience, transfer credit or credit by exam.

Scheduling: The PA program is a full-time curriculum. Students are required to take courses in the sequence and during the semesters they are scheduled. There is no part-time or extended time option.

Clinical rotations: Rotations during the clinical year are done at sites distant from the university. Students must have transportation and must pay for secondary housing and
transportation costs. The program assigns students to multiple clinical sites during the clinical year. Students do not choose the sites of their clinical rotations.

The physician assistant program requires a criminal background check as well as drug screening testing. The expenses of these will be an incurred expense by the enrolled student.

Curriculum

All courses are required and must be taken in sequence. Students must be full-time and must take the curriculum in a consecutive 28 month period. Exceptions are rare and are granted only by the program director. The classroom or didactic component of the curriculum is 16 months or four semesters long. The clinical year is 12 months in length.

Physician Assistant Degree Requirements

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall Semester Year One</strong></td>
<td>BIO 513</td>
<td>Human Gross Anatomy with Clinical Applications</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>BIO 516</td>
<td>Pathophysiology I</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>PA 510</td>
<td>Physical Diagnosis I</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>PA 540</td>
<td>The Physician Assistant Profession</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>20</strong></td>
</tr>
<tr>
<td><strong>Spring Semester Year One</strong></td>
<td>BIO 517</td>
<td>Pathophysiology II</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>PA 520</td>
<td>Clinical Medicine I</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>PA 532</td>
<td>Pharmacology for PAs I</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>PA 551</td>
<td>Managing Medical Information I: Clinical Biostatistics</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>19</strong></td>
</tr>
<tr>
<td><strong>Summer Session Year One (12 weeks)</strong></td>
<td>HTH 659</td>
<td>Health Care Environment</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>PA 511</td>
<td>Physical Diagnosis II</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>PA 621</td>
<td>Clinical Medicine II</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>PA 623</td>
<td>Pediatric Medicine</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>PA 624</td>
<td>Behavioral Medicine</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>PA 630</td>
<td>Clinical Laboratory Medicine I</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>17</strong></td>
</tr>
<tr>
<td><strong>Fall Semester Year Two</strong></td>
<td>PA 622</td>
<td>Women's Medicine</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>PA 626</td>
<td>Clinical Medicine III</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>PA 631</td>
<td>Clinical Laboratory Medicine II</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>PA 633</td>
<td>Pharmacology for PAs II</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>PA 652</td>
<td>Managing Medical Information II: Clinical Problem Solving</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>PA 653</td>
<td>Managing Medical Information III: Research Design and Implementation</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>18</strong></td>
</tr>
</tbody>
</table>
### Spring Semester Year Two

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PA 625. Health Promotion and Disease Prevention</strong></td>
<td>1</td>
</tr>
<tr>
<td><strong>PA 654. Managing Medical Information IV: Directed Project</strong></td>
<td>2</td>
</tr>
<tr>
<td>Rotation Period 1</td>
<td>2</td>
</tr>
<tr>
<td>Rotation Period 2</td>
<td>2</td>
</tr>
<tr>
<td>Rotation Period 3</td>
<td>2</td>
</tr>
</tbody>
</table>

**Total:** 9

### Summer Session Year Two

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PA 643. Values in Primary Care</strong></td>
<td>3</td>
</tr>
<tr>
<td>Rotation Period 4</td>
<td>2</td>
</tr>
<tr>
<td>Rotation Period 5</td>
<td>2</td>
</tr>
<tr>
<td>Rotation Period 6</td>
<td>2</td>
</tr>
</tbody>
</table>

**Total:** 9

### Fall Semester Year Three

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PA 642. Transition to Practice</strong></td>
<td>1</td>
</tr>
<tr>
<td>Rotation Period 7</td>
<td>2</td>
</tr>
<tr>
<td>Rotation Period 8</td>
<td>2</td>
</tr>
<tr>
<td>Rotation Period 9</td>
<td>2</td>
</tr>
<tr>
<td>Rotation Period 10</td>
<td>2</td>
</tr>
</tbody>
</table>

**Total:** 9

**Total degree credits: 101**

### Rotating Courses

These courses rotate during the ten Clinical Rotation Periods. The sequencing of these courses will vary with each student.

<table>
<thead>
<tr>
<th>Course</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PA 670. Elective Rotation</strong></td>
<td>4 weeks</td>
</tr>
<tr>
<td><strong>PA 671. Family Medicine Clinical Rotation I</strong></td>
<td>4 weeks</td>
</tr>
<tr>
<td><strong>PA 672. Family Medicine Clinical Rotation II</strong></td>
<td>4 weeks</td>
</tr>
<tr>
<td><strong>PA 673. Internal Medicine Clinical Rotation I</strong></td>
<td>4 weeks</td>
</tr>
<tr>
<td><strong>PA 674. Internal Medicine Clinical Rotation II</strong></td>
<td>4 weeks</td>
</tr>
<tr>
<td><strong>PA 675. Pediatrics Clinical Rotation</strong></td>
<td>4 weeks</td>
</tr>
<tr>
<td><strong>PA 676. Obstetrics and Gynecology Clinical Rotation</strong></td>
<td>4 weeks</td>
</tr>
<tr>
<td><strong>PA 677. General Surgery Clinical Rotation</strong></td>
<td>4 weeks</td>
</tr>
<tr>
<td><strong>PA 678. Emergency Medicine Clinical Rotation</strong></td>
<td>4 weeks</td>
</tr>
<tr>
<td><strong>PA 679. Behavioral Medicine Clinical Rotation</strong></td>
<td>4 weeks</td>
</tr>
</tbody>
</table>
Course Offerings

Physician Assistant

PA 510. Physical Diagnosis I. 3 credits.
This is the first in a two-course series that presents fundamental concepts in the physician assistant/patient relationship, skills needed to conduct complete medical histories and physical examinations of patients of all ages, and methodologies commonly used to communicate medical information. Prerequisites: Admission to physician assistant program, or permission of program director.

PA 511. Physical Diagnosis II. 2 credits.
This is the second in a two-course series that presents fundamental concepts in the physician assistant/patient relationship, skills needed to conduct complete medical histories and physical examinations of patients of all ages, and methodologies commonly used to communicate medical information. Prerequisites: Admission to the physician assistant program and successful completion of all previous courses in the curriculum, or permission of the program director.

PA 520. Clinical Medicine I. 5 credits.
This is the first of a three-course series that examines the etiology, presentation, diagnosis and treatment of diseases and disorders common to adults seen in primary care physician assistant practice. This series serves as preparation for the clinical rotations in internal medicine, family medicine, emergency medicine and surgery. Prerequisites: Admission to the physician assistant program and successful completion of all previous courses in the curriculum, or permission of the program director.

PA 532. Pharmacology for Physician Assistants I. 3 credits.
This is the first of two courses that provide the base of information necessary for clinical prescribing of medications. It includes pharmacokinetics, pharmacodynamics and pharmacotherapeutics. Within each class of therapeutic drugs, the course examines drug actions, interactions, reactions, and contraindications. The course also includes principles of prescribing and patient compliance. Prerequisites: Admission to the physician assistant program and successful completion of all previous courses in the curriculum, or permission of the program director.

PA 540. The Physician Assistant Profession. 1 credit.
This course explores the principles of the PA profession, its history and place in the spectrum of health care professions. Economic, legal and societal factors influencing the profession are also discussed. Prerequisites: Admission to physician assistant program, or permission of program director.

PA 551. Managing Medical Information I: Clinical Biostatistics. 3 credits.
This is the first in a four-course series designed to provide the physician assistant student with skills to understand research design, analyze research information and apply it to clinical practice. Emphasis in this course will be placed on basic biostatistical concepts, literature searches and analysis. Prerequisites: Admission to the physician assistant program and successful completion of all previous courses in the curriculum, or permission of the program director.

PA 621. Clinical Medicine II. 3 credits.
This is the second of a three-course series that examines the etiology, presentation, diagnosis and treatment of diseases and disorders common to adults seen in primary
care physician assistant practice. This series serves as preparation for the clinical rotations in internal medicine, family medicine, emergency medicine and surgery and includes workshops to support the diagnosis and treatment of selected disorders. *Prerequisites: Admission to the physician assistant program and successful completion of all previous courses in the curriculum, or permission of the program director.*

**PA 622. Women’s Medicine. 2 credits.**
This course provides an introductory knowledge base in women’s medicine. Through a series of presentations it prepares students for obstetric and gynecologic conditions encountered during clinical rotations. *Prerequisites: Admission to the physician assistant program and successful completion of all previous courses in the curriculum, or permission of the program director.*

**PA 623. Pediatric Medicine. 2 credits.**
This course provides an introductory knowledge base in pediatric medicine. Through a series of presentations it prepares students for pediatric medical conditions encountered during clinical rotations. *Prerequisites: Admission to the physician assistant program and successful completion of all previous courses in the curriculum, or permission of the program director.*

**PA 624. Behavioral Medicine. 2 credits.**
This course provides an introductory knowledge base in behavioral medicine. Through a series of presentations it prepares students for behavioral medicine conditions encountered during clinical rotations. *Prerequisites: Admission to the physician assistant program and successful completion of all previous courses in the curriculum, or permission of the program director.*

**PA 625. Health Promotion and Disease Prevention. 1 credit.**
The course presents strategies that physician assistants employ in promoting health and well-being among the people they serve. It also examines public health strategies focused on early discovery of disease, prevention of disease and stopping the spread of disease. *Prerequisites: Admission to the physician assistant program and successful completion of all previous courses in the curriculum, or permission of the program director.*

**PA 626. Clinical Medicine III. 2 credits.**
This is the third of a three-course series that examines the etiology, presentation, diagnosis and treatment of diseases and disorders common to adults seen in primary care physician assistant practice. This series serves as preparation for the clinical rotations in internal medicine, family medicine, emergency medicine and surgery and includes workshops to support the diagnosis and treatment of selected disorders.

**PA 630. Clinical Laboratory Medicine I. 2 credits.**
This is the first of a two-course series that presents the clinical laboratory tests used to detect and monitor common diseases and disorders. It focuses on selecting and interpreting the appropriate tests for each body system as well as performing selected tests. *Prerequisites: Admission to the physician assistant program and successful completion of all previous courses in the curriculum, or permission of the program director.*

**PA 631. Clinical Laboratory Medicine II. 2 credits.**
This is the second course in a two-course series that presents the clinical laboratory tests used to detect and monitor common diseases and disorders. It focuses on selecting and interpreting the appropriate tests for each body system as well as
performing selected tests. Prerequisites: Admission to the physician assistant program and successful completion of all previous courses in the curriculum, or permission of the program director.

**PA 633. Pharmacology for Physician Assistants II. 3 credits.**
This is the second of two courses that provide the base of information necessary for clinical prescribing of medications. It includes pharmacokinetics, pharmacodynamics and pharmacotherapeutics. Within each class of therapeutic drugs, the course examines drug actions, interactions, reactions, and contraindications. The course also includes principles of prescribing and patient compliance. Prerequisites: Admission to the physician assistant program and successful completion of all previous courses in the curriculum, or permission of the program director.

**PA 642. Transition to Physician Assistant Practice. 1 credit.**
This course examines issues related to the shift from the role of a PA student to that of a practicing PA. Topics include medical liability and risk management, business aspects of clinical practice, credentialing processes and career development. Prerequisites: Admission to the physician assistant program and successful completion of all previous courses in the curriculum, or permission of the program director.

**PA 643. Values in Primary Care. 3 credits.**
This course provides an overview of professional ethics as they apply to primary care practice for physician assistants. The focus is on major principles and methodologies that guide clinicians in ethical decision-making as they encounter situations common to primary care practice. Prerequisites: Admission to the physician assistant program and successful completion of all previous courses in the curriculum, or permission of the program director.

**PA 652. Managing Medical Information II: Clinical Problem Solving. 3 credits.**
This is the second in a four-course series designed to provide the physician assistant student with skills to understand research design, analyze research information and apply it to clinical practice. The emphasis in this course is placed on the use of evidence-based medicine in clinical decision-making. Prerequisites: Admission to the physician assistant program and successful completion of all previous courses in the curriculum, or permission of the program director.

**PA 653. Managing Medical Information III: Research Design and Implementation. 1 credit.**
This is the third in a four-course series designed to provide the physician assistant student with skills to understand research design, analyze research information and apply it to clinical practice. In this course, students will design a capstone project that will be finalized and presented in the subsequent course PA 654. Prerequisites: Admission to the physician assistant program and successful completion of all previous courses in the curriculum, or permission of the program director.

**PA 654. Managing Medical Information IV: Directed Project. 2 credits.**
This is the fourth in a four-course series designed to provide the physician assistant student with skills to understand research design, analyze research information and apply it to clinical practice. In this course, students will complete and present the capstone project initiated in PA 653. Prerequisites: Admission to the physician assistant program and successful completion of all previous courses in the curriculum, or permission of the program director.

**PA 670. Elective Clinical Rotation. 2 credits.**
This four-week clinical rotation is devoted to an area of study of the student's choosing and the faculty's approval. It might be additional time in a specialty already introduced through another rotation, a different medical specialty of interest or a non-clinical area associated with the PA profession such as education, professional practice issues, etc. **Prerequisites:** Admission to the physician assistant program and successful completion of all previous courses in the curriculum, or permission of the program director.

**PA 671. Family Medicine Clinical Rotation I.** 2 credits.
This is the first of two four-week clinical rotations in family medicine. The student gains knowledge, experience and skill in interviewing and examining patients of all ages, diagnosing and treating disorders and educating and counseling patients and families through participation in these activities while under the supervision of an experienced clinician practicing family medicine. The course also includes assigned reading and exercises. **Prerequisites:** Admission to the physician assistant program and successful completion of all previous courses in the curriculum, or permission of the program director.

**PA 672. Family Medicine Clinical Rotation II.** 2 credits.
This is the second of two four-week clinical rotations in family medicine. The student gains knowledge, experience and skill in interviewing and examining patients of all ages, diagnosing and treating disorders, and educating and counseling patients and families through participation in these activities while under the supervision of an experienced clinician practicing family medicine. The course also includes assigned reading and exercises. **Prerequisites:** Admission to the physician assistant program and successful completion of all previous courses in the curriculum, or permission of the program director.

**PA 673. Internal Medicine Clinical Rotation I.** 2 credits.
This is the first of two four-week clinical rotations in internal medicine. The student gains knowledge, experience and skill in interviewing and examining adults, diagnosing and treating disorders, and educating and counseling patients through participation in these activities while under the supervision of an experienced clinician practicing internal medicine. This course also includes assigned readings and exercises. **Prerequisites:** Admission to the physician assistant program and successful completion of all previous courses in the curriculum, or permission of the program director.

**PA 674. Internal Medicine Clinical Rotation II.** 2 credits.
This is the second of two four-week clinical rotations in internal medicine. The student gains knowledge, experience and skill in interviewing and examining adults, diagnosing and treating disorders, and educating and counseling patients through participation in these activities while under the supervision of an experienced clinician practicing internal medicine. This course also includes assigned readings and exercises. **Prerequisites:** Admission to the physician assistant program and successful completion of all previous courses in the curriculum, or permission of the program director.

**PA 675. Pediatrics Clinical Rotation.** 2 credits.
During this four-week clinical rotation the student gains knowledge, experience and skill in interviewing and examining children, diagnosing and treating disorders, and educating and counseling children and parents through participation in these activities while under the supervision of an experienced clinician practicing pediatric medicine. The course also includes assigned readings and exercises. **Prerequisites:** Admission to the physician assistant program and successful completion of all previous courses in the curriculum, or permission of the program director.
PA 676. Obstetrics and Gynecology Clinical Rotation. 2 credits.
During this four-week clinical rotation the student gains knowledge, experience and skill in interviewing and examining women, diagnosing and treating disorders, and educating and counseling women through participation in these activities while under the supervision of an experienced clinician practicing obstetric and gynecologic medicine. The course also includes assigned readings and exercises. Prerequisites: Admission to the physician assistant program and successful completion of all previous courses in the curriculum, or permission of the program director.

PA 677. General Surgery Clinical Rotation. 2 credits.
During this four-week clinical rotation the student gains knowledge, experience and skill in interviewing and examining patients, diagnosing and treating disorders, and educating and counseling patients with surgical problems through participation in these activities while under the supervision of an experienced clinician practicing surgery. The course also includes assigned readings and exercises. Prerequisites: Admission to the physician assistant program and successful completion of all previous courses in the curriculum, or permission of the program director.

PA 678. Emergency Medicine Clinical Rotation. 2 credits.
During this four-week clinical rotation the student gains knowledge, experience and skill in interviewing and examining patients, diagnosing and treating disorders, and educating and counseling patients with emergent problems through participation in these activities while under the supervision of an experienced clinician practicing emergency medicine. The course also includes assigned readings and exercises. Prerequisites: Admission to the physician assistant program and successful completion of all previous courses in the curriculum, or permission of the program director.

PA 679. Behavioral Medicine Clinical Rotation. 2 credits.
During this four-week clinical rotation the student gains knowledge, experience and skill in interviewing and examining patients, diagnosing and treating disorders, and educating and counseling patients and family members through participation in these activities while under the supervision of an experienced clinician practicing behavioral medicine. The course also includes assigned readings and exercises. Prerequisites: Admission to the physician assistant program and successful completion of all previous courses in the curriculum, or permission of the program director.